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Mewspapers and periodicals as indicated.

PROGRESS OF KURBYSHEV GAS CONSTRUCTION

Numbers in parentheses refer to appended sources. 7

The project for the construction of the Kuybyshev GES first originated in 1910.(1) When completed, the GES will be operated by remote control from Moscow.(2) The structure of the GES power plant will stand partially on the site of the former Otvarhnoye village, which has been moved to another location.(3) The power plant of the GES will consist of 20 turbogenerators, the turbines of which will have adjustable blades. (4)

The concrete spillway section of the GES dam will be 1,000 meters long. (5) A highway will be built atop the dam in addition to a double-track trunk railroad line.(4)

The Water Power Institute of the Academy of Sciences Armenian SSR has built a model of the planned Kuyuyshev GES for experimental purposes in one of the suburbs of Yerevan. The model, which is 37 meters wide and 1,000 meters long, is built of stones, concrete, and metals; it consumes 300 liters of water per second. The main problem which was being solved by experimenting with the model was the determination of the most suitable dimensions for the planned navigable canal. Tests were carried out by young Armenian engineers. (6)

"Tatspetsleszag" Trust (Special Logging Trust of Tatar ASSR) with five Lespromitiones (logging enterprises) under it, equipped with modern machinery, has been created to out and utilize the woods at the bottom of the future Kuybyshev Reservoir. The exact borders of the reservoir are being ascertained during summer 1952. Flans call for clearing 7,400 hectares of woods in 1952, 17,500 hectares in 1953, and for completing the job by 1954.(7)

S. Baskakov, S. Gorbylev, L. Igoshina, and M. Kobyzev have designed three ropeways across the Volga River over the Kuybyshev GES construction site. (8) The "Scrp i Mclot" Plant in Kazan' has been entrusted with their manufacture. (9)

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The three rowers with a combined length of 25 milesters and 600 two-ton combined trucks in operation will have a total capacity of 500 tons per hour and will be used for delivering sand, gravel, and other building materials to the site on the other side of the river. The romes will be suspended 100 meters above the sater level to prevent interference with navigation. (10) on 20 May 1959, a dredge had started building up an island in the middle of the river for the Schwatzer steel tower which will support the ropes. (11)

Excevation and dredging work, together with the building up of the cofferism around the future power plant structure of the GES, went on without interruption throughout the winter of 1951 - 1952 with a view of completing the cofferdam before the spring floods.(12) The cofferdam, which is 1.5 kilometers long and the chape of a horseshor, was completed in April.(13)

On Tolyachay Island near the left bank of the river, excavation for the concrete spiliway of the dem and building up of a cofferdam started in March 1952. The cofferdam will be 8 kilometers long, 80 meters wide, and 15 meters high. Of the 7 million cubic meters of cartawork required for it, 6 million will be shifted by means of suction dredges (14), which starte operation in May 1952.(15)

The Knybyshev GES builders have pledged to complete excavation for the lower lock of the navigable canal on 1 August. They have also promised to have everything ready for starting concrete work on the lock and on the foundation of the power plant atructure in September and October 1952, respectively. (16)

SOURCES

- 1. Moscow, Zuaniye Sila, No 9, Sep. 1
- 2. Moscow, Izvestiya, 23 Har 52
- 3. Leningradskaya Pravda, 25 Sep 51
- h. Moscow, Planovoye Khozynystvo, No 1, Jan/Feb 52
- 5. Moscow, Nauka i Zhizu', No 2, Feb 52
- 6. Izvestiya, 7 Sep 51

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- 7. Moskovskaya Pravda, 20 May 52
- 8. Moscow, Vechernyaya Moskwa, 5 Mar 52
- 9. Izvestiya, 20 Mar 52
- 10. Moscow, Voprosy Ekonomiki, No 9, Sep 51
- 11. Kishinev, Sovetshaya Moldaviya, 21 May 52
- 12. Riga, Sovetskaya Latviya, 21 Jan 52
- 13. Petrozavodsk, Leninskoye Znanya, 18 Apr 52
- 14. Vechernyaya Moskva, 25 Mar 52
- 15. Bovetskaya Moldaviya, 17 May 52
- 16. Moscow, Gidrotekhnicheskoye Stroitel'stvo, No 3, Mar 52

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